

## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

To:

ROBINSON, Melvin, A.  
Patent Department  
Schiff Hardin & Waite  
6600 Sears Tower  
Chicago, IL 60606  
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 03 January 2002 (03.01.02)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference P00,1824	
International application No. PCT/US01/08328	International filing date (day/month/year) 15 March 2001 (15.03.01)

1. The following indications appeared on record concerning:		
<input checked="" type="checkbox"/> the applicant	<input checked="" type="checkbox"/> the inventor	<input type="checkbox"/> the agent <input type="checkbox"/> the common representative
Name and Address All applicant/inventors	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input type="checkbox"/> the person	<input type="checkbox"/> the name	<input type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence
Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	
3. Further observations, if necessary: <b>Since the United States has been added, the applicant/inventors are now applicant/inventors for the US only. SIEMENS AKTIENGESellschaft is applicant for all designated States except the US.</b>		
4. A copy of this notification has been sent to:		
<input checked="" type="checkbox"/> the receiving Office	<input checked="" type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned	
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Athina NICKITAS-ETIENNE
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

09/980643  
JC10 Rec'd PCT/PTO 15 NOV 2001

CERTIFICATE OF MAILING

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I hereby certify that this correspondence is being deposited with the United States Postal "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:

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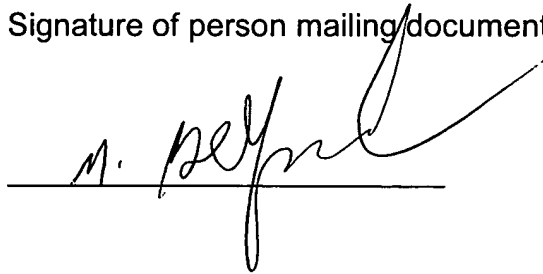
Case Number: P00,1824 01

International Application No. PCT/US01/08328

Mario C. SPIRA et al.

"MENU DRIVEN MANAGEMENT AND OPERATION TECHNIQUE"

Signature of person mailing documents and fee

A handwritten signature, appearing to be "M. Spira", is written over a horizontal line.

CORRECTED VERSION

9/980643

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 September 2001 (27.09.2001)

PCT

(10) International Publication Number  
**WO 01/71607 A1**

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(21) International Application Number: **PCT/US01/08328**

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(25) Filing Language: **English**

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**60/190,170 17 March 2000 (17.03.2000) US**

(71) Applicant (for all designated States except US):  
**SIEMENS AKTIENGESELLSCHAFT [DE/DE];**  
**Wittelsbacherplatz 2, 80333 Muenchen (DE).**

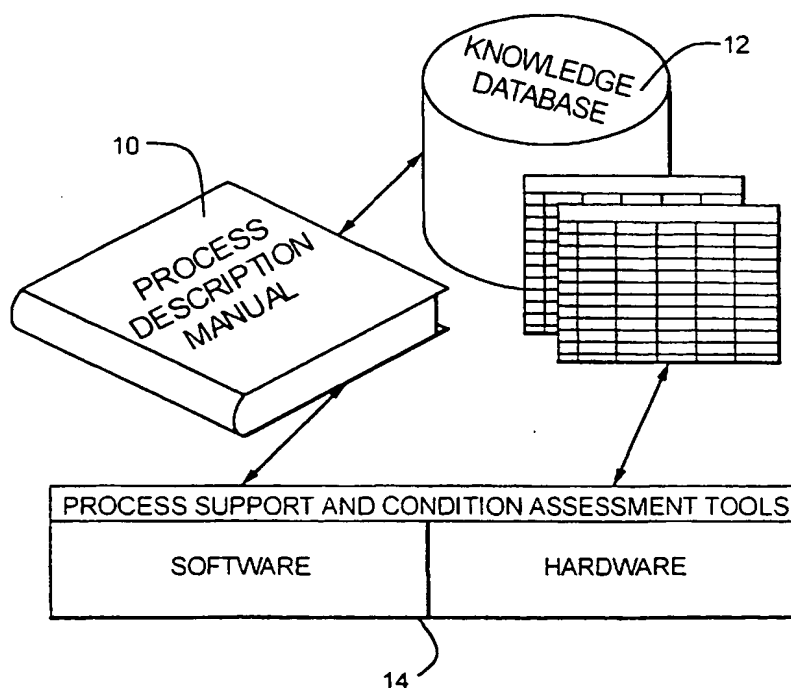
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**38, A-85591 Vaterstetten (AT). MENDEN, Gunter**

[DE/DE]: Kiefernweg 5, 91336 Heroldsbach (DE). **KLEMME-WOLFF, Hans [DE/DE];** Birmensdorferstr. 30, 8953 Dietikon (DE). **SOMMER, Bernhard [AT/AT];** Gerspergasse 11, A-1210 Wien (AT). **CAVANAGH, Perry, Michael [CA/CA];** 16 Templeby Crescent NE, Calgary, Alberta T1Y 5G4 (CA). **PFEIFER, Kimberley, James [CA/CA];** 317 Point McKay Gardens, NW, Calgary, Alberta T3B 5C1 (CA). **WILLIAMS, David, Lesley [CA/CA];** 1831 Morgan Avenue, Port Coquitlam, British Columbia V3C 1J8 (CA). **WILCOX, Michael [US/US];** 3928 Windgrove Crossing, Swanee, GA 30024 (US). **ZANCOLICH, Giuseppe [AU/US];** 11205 Amu Windham Ak Master Road, Alpharetta, GA 30005 (US). **GOLY, Krzysztof [AU/US];** 49038 Gardner Drive, Alpharetta, GA 30004 (US). **STÜBIGER, Jurgen [DE/DE];** Peter-Vischer-Str. 6, 91056 Erlangen (DE). **TAUTRIM, Jorg [DE/DE];** Vor den Muhlen, 19, 66701 Beckingen (DE). **TAYLOR, Michael [CA/CA];** P.O. 18, Dorchester, Ontario N0L 1G0 (CA). **HORN, Schulze [DE/DE];** Am Europa Kanal 14, 91056 Erlangen (DE).

[Continued on next page]

(54) Title: **MENU DRIVEN MANAGEMENT AND OPERATION TECHNIQUE**



(57) Abstract: An overall plan for providing maintenance and technical services for businesses and plants includes generic procedures for the services written as a manual of standard practices (10). A knowledge base or experience database (12) of data and people is utilized. Both hardware and software tools (14) are selected and used in providing services.



WO 01/71607 A1



(74) **Agent:** ROBINSON, Melvin, A.; Patent Department,  
Schiff Hardin & Waite, 6600 Sears Tower, Chicago, IL  
60606 (US).

(48) **Date of publication of this corrected version:**

14 February 2002

(81) **Designated States (national):** AU, BR, CA, CN, MX, US.

(15) **Information about Correction:**

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II

(84) **Designated States (regional):** European patent (AT, BE,  
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,  
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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

SEARCH COPY

PCT

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT/US 01/08328  
International Application No.(15.03.01) 15 MAR 2001  
International Filing DatePCT INTERNATIONAL  
APPLICATION NO./US  
Name of receiving Office and "PCT International Application"Applicant's or agent's file reference  
(if desired) (12 characters maximum) P00,1824

## Box No. I TITLE OF INVENTION

MENU DRIVEN MANAGEMENT AND OPERATION TECHNIQUE

## Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

SIEMENS AKTIENGESELLSCHAFT  
Wittelsbacherplatz 2  
80333 Muenchen, Germany

☐ This person is also inventor.

Telephone No.

0 89 636-00

Facsimile No.

49 89 636 81857

Teleprinter No.

State (that is, country) of nationality:

Germany

State (that is, country) of residence:

Germany

This person is applicant  
for the purposes of:all designated  
Statesall designated States except  
the United States of Americathe United States  
of America onlythe States indicated in  
the Supplemental Box

## Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Mario Cosmas SPIRA  
Christian-Ernst Str. 41  
91052 Erlangen, Germany

This person is:

☐ applicant only☒ applicant and inventor☐ inventor only (If this check-box  
is marked, do not fill in below.)

State (that is, country) of nationality:

Germany

State (that is, country) of residence:

Germany

This person is applicant  
for the purposes of:all designated  
Statesall designated States except  
the United States of Americathe United States  
of America onlythe States indicated in  
the Supplemental Box☒ Further applicants and/or (further) inventors are indicated on a continuation sheet.

## Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf  
of the applicant(s) before the competent International Authorities as:



agent



common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Melvin A. ROBINSON  
Patent Department  
Schiff Hardin & Waite  
6600 Sears Tower  
Chicago, IL 60606

Telephone No.

312/258-5785

Facsimile No.

312/258-5921

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

## Continuation of Box No. III FURTHER APPLICANT(S) AND/ (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Erich NIEDERMAYR <sup>▲</sup>  
Luitpoldring 38  
85591 Vaterstetten, Austria

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Austria

State (that is, country) of residence:  
Austria

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Gunter MENDEN <sup>▲</sup>  
Kiefernweg 5  
91336 Heroldsbach, Germany

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Germany

State (that is, country) of residence:  
Germany

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Hans KLEMME-WOLFF <sup>▲</sup>  
Birmensdorferstr. 30  
8953 Dietikon, Germany

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Germany

State (that is, country) of residence:  
Germany

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Bernhard SOMMER <sup>▲</sup>  
Gerspergasse 11  
1210 Wien, Austria

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Austria

State (that is, country) of residence:  
Austria

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on another continuation sheet.

Surname underlined by RO/US

RO/US

## Continuation of Box No. III FURTHER APPLICANT(S) AND FURTHER INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Perry Michael CAVANAGH ▲  
16 Templeby Crescent NE  
Calgary, Alberta T1Y5G4, Canada

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Canada

State (that is, country) of residence:  
Canada

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Kimberley James PFEIFER ▲  
317 Point McKay Gardens, NW  
Calgary, Alberta T3B5C1, Canada

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Canada

State (that is, country) of residence:  
Canada

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

David Lesley WILLIAMS ▲  
1831 Morgan Avenue  
Port Coquitlam, British Columbia V3C1J8, Canada

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Canada

State (that is, country) of residence:  
Canada

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Michael WILCOX ▲  
3928 Windgrove Crossing  
Swanee, GA 30024 USA ▲

This person is:

☐ applicant only

☒ applicant and inventor

☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
USA ▲

State (that is, country) of residence:  
USA ▲

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

☒ Further applicants and/or (further) inventors are indicated on another continuation sheet.

## Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

If none of the following sub-boxes is used, this sheet should not be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Gius ppe ZANCOLICH ▲  
11205 Amu Windham Ak Master Road  
Alpharetta, GA 30005 USA

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Australia

State (that is, country) of residence:  
USA ▲

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Krzysztof GOLY ▲  
49038 Gardener Drive  
Alpharetta, GA 30004 USA

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Australia

State (that is, country) of residence:  
USA

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Jurgen STUBIGER ▲  
Peter-Vischer-Str. 6  
91056 Erlangen, Germany

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Germany

State (that is, country) of residence:  
Germany

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Jorg TAUTRIM ▲  
Vor den Muhlen, 19  
D-66701 Beckingen, GERMANY

This person is:

- ☐ applicant only  
☒ applicant and inventor  
☐ inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:  
Germany

State (that is, country) of residence:  
Germany

This person is applicant for the purposes of:

☒ all designated States

☐ all designated States except the United States of America

☒ the United States of America only

☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.



Continuation of No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
If none of the following sub-boxes is used, this sheet should not be included in the request.	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  Michael TAYLOR P.O. 18 Dorchester Ontario NOL 1G0, Canada	This person is:  <input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)
State (that is, country) of nationality: Canada	State (that is, country) of residence: Canada
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  Schulze HORN Am Europa Kanal 14 91056 Erlangen, Germany	This person is:  <input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)
State (that is, country) of nationality: Germany	State (that is, country) of residence: Germany
This person is applicant for the purposes of: <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is:  <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)
State (that is, country) of nationality:	State (that is, country) of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is:  <input type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)
State (that is, country) of nationality:	State (that is, country) of residence:
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on another continuation sheet.	

**Box No.V SIGNATION OF STATES**

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

**Regional Patent**

- ☐ **AP ARIPO Patent:** GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☐ **EA Eurasian Patent:** AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP European Patent:** AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☐ **OA OAPI Patent:** BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

**National Patent (if other kind of protection or treatment desired, specify on dotted line):**

- |   |   |
|---|---|
| <input type="checkbox"/> AE United Arab Emirates                  | <input type="checkbox"/> LC Saint Lucia                               |
| <input type="checkbox"/> AG Antigua and Barbuda                   | <input type="checkbox"/> LK Sri Lanka                                 |
| <input type="checkbox"/> AL Albania                               | <input type="checkbox"/> LR Liberia                                   |
| <input type="checkbox"/> AM Armenia                               | <input type="checkbox"/> LS Lesotho                                   |
| <input type="checkbox"/> AT Austria                               | <input type="checkbox"/> LT Lithuania                                 |
| <input checked="" type="checkbox"/> AU Australia                  | <input type="checkbox"/> LU Luxembourg                                |
| <input type="checkbox"/> AZ Azerbaijan                            | <input type="checkbox"/> LV Latvia                                    |
| <input type="checkbox"/> BA Bosnia and Herzegovina                | <input type="checkbox"/> MA Morocco                                   |
| <input type="checkbox"/> BB Barbados                              | <input type="checkbox"/> MD Republic of Moldova                       |
| <input type="checkbox"/> BG Bulgaria                              | <input type="checkbox"/> MG Madagascar                                |
| <input checked="" type="checkbox"/> BR Brazil                     | <input type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input type="checkbox"/> BY Belarus                               | <input type="checkbox"/> MN Mongolia                                  |
| <input type="checkbox"/> BZ Belize                                | <input type="checkbox"/> MW Malawi                                    |
| <input checked="" type="checkbox"/> CA Canada                     | <input checked="" type="checkbox"/> MX Mexico                         |
| <input type="checkbox"/> CH and LI Switzerland and Liechtenstein  | <input type="checkbox"/> MZ Mozambique                                |
| <input checked="" type="checkbox"/> CN China                      | <input type="checkbox"/> NO Norway                                    |
| <input type="checkbox"/> CR Costa Rica                            | <input type="checkbox"/> NZ New Zealand                               |
| <input type="checkbox"/> CU Cuba                                  | <input type="checkbox"/> PL Poland                                    |
| <input type="checkbox"/> CZ Czech Republic                        | <input type="checkbox"/> PT Portugal                                  |
| <input type="checkbox"/> DE Germany                               | <input type="checkbox"/> RO Romania                                   |
| <input type="checkbox"/> DK Denmark                               | <input type="checkbox"/> RU Russian Federation                        |
| <input type="checkbox"/> DM Dominica                              | <input type="checkbox"/> SD Sudan                                     |
| <input type="checkbox"/> DZ Algeria                               | <input type="checkbox"/> SE Sweden                                    |
| <input type="checkbox"/> EE Estonia                               | <input type="checkbox"/> SG Singapore                                 |
| <input type="checkbox"/> ES Spain                                 | <input type="checkbox"/> SI Slovenia                                  |
| <input type="checkbox"/> FI Finland                               | <input type="checkbox"/> SK Slovakia                                  |
| <input type="checkbox"/> GB United Kingdom                        | <input type="checkbox"/> SL Sierra Leone                              |
| <input type="checkbox"/> GD Grenada                               | <input type="checkbox"/> TJ Tajikistan                                |
| <input type="checkbox"/> GE Georgia                               | <input type="checkbox"/> TM Turkmenistan                              |
| <input type="checkbox"/> GH Ghana                                 | <input type="checkbox"/> TR Turkey                                    |
| <input type="checkbox"/> GM Gambia                                | <input type="checkbox"/> TT Trinidad and Tobago                       |
| <input type="checkbox"/> HR Croatia                               | <input type="checkbox"/> TZ United Republic of Tanzania               |
| <input type="checkbox"/> HU Hungary                               | <input type="checkbox"/> UA Ukraine                                   |
| <input type="checkbox"/> ID Indonesia                             | <input type="checkbox"/> UG Uganda                                    |
| <input type="checkbox"/> IL Israel                                | <input type="checkbox"/> US United States of America                  |
| <input type="checkbox"/> IN India                                 | <input type="checkbox"/> UZ Uzbekistan                                |
| <input type="checkbox"/> IS Iceland                               | <input type="checkbox"/> VN Viet Nam                                  |
| <input type="checkbox"/> JP Japan                                 | <input type="checkbox"/> YU Yugoslavia                                |
| <input type="checkbox"/> KE Kenya                                 | <input type="checkbox"/> ZA South Africa                              |
| <input type="checkbox"/> KG Kyrgyzstan                            | <input type="checkbox"/> ZW Zimbabwe                                  |
| <input type="checkbox"/> KP Democratic People's Republic of Korea |   |
| <input type="checkbox"/> KR Republic of Korea                     |   |
| <input type="checkbox"/> KZ Kazakhstan                            |   |

Check-box reserved for designating States which have become party to the PCT after issuance of this sheet:

☐ .....

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

<b>Box No. VI PRIORITY CLAIM</b>					<input type="checkbox"/> Further priority claims are indicated in the Supplemental Box.				
Filing date of earlier application (day/month/year)		Number of earlier application	Where earlier application is:						
			national application: country	regional application: regional Office	international application: receiving Office				
item (1) 17 March 2000 (17.03.00)		60/190,170	USA						
item (2)									
item (3)									

☒ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s):

\* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

**Box No. VII INTERNATIONAL SEARCHING AUTHORITY**

<b>Choice of International Searching Authority (ISA)</b> (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):  ISA / US	<b>Request to use results of earlier search; reference to that search</b> (if an earlier search has been carried out by or requested from the International Searching Authority):  Date (day/month/year)      Number      Country (or regional Office)
---	--

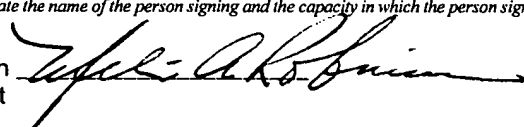
**Box No. VIII CHECK LIST; LANGUAGE OF FILING**

This international application contains the following number of sheets: request : 7 description (excluding sequence listing part) : 82 claims : 19 abstract : 1 drawings : 23 sequence listing part of description : 0 <b>Total number of sheets : 132</b>	This international application is accompanied by the item(s) marked below: 1. <input checked="" type="checkbox"/> fee calculation sheet 2. <input type="checkbox"/> separate signed power of attorney 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): 6. <input type="checkbox"/> translation of international application into (language): 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input type="checkbox"/> other (specify):
---	--

<b>Figure of the drawings which should accompany the abstract:</b> 1	<b>Language of filing of the international application:</b> English
--	---

**Box No. IX SIGNATURE OF APPLICANT OR AGENT**

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Melvin A. Robinson Agent for Applicant  31,870

(15.03.01)

For receiving Office use only	
1. Date of actual receipt of the purported international application: JC11 Rec'd PCT/PTO 15 MAR 2001	2. Drawings:  <input type="checkbox"/> received:  <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA / US	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

For International Bureau use only
Date of receipt of the record copy by the International Bureau:

## PCT

FEE CALCULATION SHEET  
Annex to the Request

For receiving Office use only

PCT/US 01/08328

International application No.

(15.03.01) 15 MAR 2001  
Date stamp of the receiving OfficeApplicant's or agent's  
file reference P00,1824Applicant  
SIEMENS AKTIENGESELLSCHAFT

## CALCULATION OF PRESCRIBED FEES

1. TRANSMITTAL FEE . . . . .	\$240.00	<input type="checkbox"/> T
2. SEARCH FEE . . . . .	\$700.00	<input type="checkbox"/> S

International search to be carried out by U.S. PTO

(If two or more International Searching Authorities are competent in relation to the international application, indicate the name of the Authority which is chosen to carry out the international search.)

## 3. INTERNATIONAL FEE

## Basic Fee

The international application contains 132 sheets.

first 30 sheets . . . . . \$382.00 ☐ b1

102	x	\$9.00	=	918.00	<input type="checkbox"/> b2
remaining sheets		additional amount			

Add amounts entered at b1 and b2 and enter total at B . . . . \$1300.00 ☐ B

## Designation Fees

The international application contains 7 designations.

6	x	\$82.00	=	\$492.00	<input type="checkbox"/> D
number of designation fees payable (maximum 6)		amount of designation fee			

Add amounts entered at B and D and enter total at I . . . . . \$1792.00 ☐ I

(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)

4. FEE FOR PRIORITY DOCUMENT (if applicable) . . . . . 15.00 ☐ P

5. TOTAL FEES PAYABLE . . . . .	\$2747.00
Add amounts entered at T, S, I and P, and enter total in the TOTAL box	<input type="checkbox"/> TOTAL

☐ The designation fees are not paid at this time.

## MODE OF PAYMENT

☐ authorization to charge  
deposit account (see below)☒ cheque☐ postal money order☐ bank draft☐ cash☐ revenue stamps☐ coupons☐ other (specify):

## DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices)

The RO/ US ☐ is hereby authorized to charge the total fees indicated above to my deposit account.☒ (this check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.☐ is hereby authorized to charge the fee for preparation and transmittal of the priority document to the International Bureau of WIPO to my deposit account.

501519

15 March 2001

Deposit Account No.

Date (day/month/year)

Signature

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

## PCT

To:

MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO IL 60606

NOTIFICATION OF RECEIPT  
OF SEARCH COPY

(PCT Rule 25.1)

Date of mailing  
(day/month/year)

18 APR 2001

Applicant's or agent's file reference

P00,1824

IMPORTANT NOTIFICATION

International application No.

PCT/US01/08328

International filing date (day/month/year)

15 MAR 01

Priority date (day/month/year)

17 MAR 00

Applicant

SIEMENS AKTIENGESELLSCHAFT

1. **Where the International Searching Authority and the receiving Office are not the same Office:**

The applicant is hereby notified that the search copy of the international application was received by this International Searching Authority on the date indicated below.

**Where the International Searching Authority and the receiving Office are the same Office:**

The applicant is hereby notified that the search copy of the international application was received on the date indicated below.

18 APR 2001

(date of receipt)

2. **Time limit for establishment of international search report**

The applicant is informed that the time limit for establishing the international search report is 3 months from the date of receipt indicated above or 9 months from the priority date, whichever time limit expires later.

3. **A copy of this notification has been sent to the International Bureau and, where the first sentence of paragraph 1 applies, to the receiving Office.**

Name and mailing address of the ISA/US  
Assistant Commissioner for Patents  
Box PCT  
Washington, D.C. 20231  
Facsimile No.

Attn: ISA/US

Authorized officer

Dorlene Proctor

PCT Operations - IAPD Team

(703) 305-3689 (703) 305-3230 FAX

Telephone No.

**TRANSMITTAL LETTER TO THE  
UNITED STATES RECEIVING OFFICE**

JC11 Rec'd PCT/PTD 15 MAR 2001  
PCT/US 01/08328

Date	15 March 2001
International Application No.	
Attorney Docket No.	P00,1824

**I. Certification under 37 CFR 1.10 (if applicable)**

EL655301094US
Express Mail mailing number

15 March 2001
Date of Deposit

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.


Signature of person mailing correspondence

M. Grellman
Typed or printed name of person mailing correspondence

**II. ☒ New International Application**

TITLE	MENU DRIVEN MANAGEMENT AND OPERATION TECHNIQUE
-------	--

Earliest priority date (Day/Month/Year)
17 March 2000

**SCREENING DISCLOSURE INFORMATION:** In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):

- A. ☒ The invention disclosed was not made in the United States.  
 B. ☐ There is no prior U.S. application relating to this invention.  
 C. ☒ The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority.)

application no.	60/190,170	filed on	17 March 2000
application no.		filed on	

- D. ☒ The present international application contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages entire disclosure and ☐ DOES NOT ALTER ☒ MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15

**III. ☐ A Response to an Invitation from the RO/US. The following document(s) is(are) enclosed:**

- A. ☐ A Request for An Extension of Time to File a Response  
 B. ☐ A Power of Attorney (General or Regular)  
 C. ☐ Replacement pages:

pages		of the request (PCT/RO/101)	pages		of the figures
pages		of the description	pages		of the abstract
pages		of the claims			

- D. ☐ Submission of Priority Documents

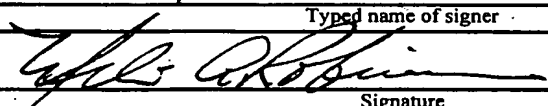
Priority document		Priority document	
-------------------	--	-------------------	--

- E. ☐ Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex

**IV. ☐ A Request for Rectification under PCT 91 ☐ A Petition ☐ A Sequence Listing Diskette**

**V. ☐ Other (please specify):**

The person signing this form is the:

<input type="checkbox"/> Applicant	Melvin A. Robinson
<input checked="" type="checkbox"/> Attorney/Agent (Reg. No.) 31,870	Typed name of signer
<input type="checkbox"/> Common Representative	 Signature

PCT APPLICATION NUMBER: 01/08328

MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO IL 60606

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO, ILLINOIS 60606

## PCT

### NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Date of Mailing (day/month/year)	<b>20 AUG 2001</b>
-------------------------------------	--------------------

Applicant's or agent's file reference  
P00,1824

FOR FURTHER ACTION    See paragraphs 1 and 4 below

International application No.  
PCT/US01/08328

International filing date  
(day/month/year)  
15 March 2001 (15.03.2001)

Applicant  
SIEMENS AKTIENGESELLSCHAFT

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.  
**Filing of amendments and statement under Article 19:**  
The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

**When?**    The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.

**Where?**    Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:**

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):**    The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau.  
If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 *bis* 1 and 90 *bis* 3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231  
Facsimile No. (703)305-3230

Authorized officer

Vincent Miller *James R. Matthews*

Telephone No. (703) 305-3900



# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P00,1824	<b>FOR FURTHER ACTION</b>	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US01/08328	International filing date ( <i>day/month/year</i> ) 15 March 2001 (15.03.2001)	(Earliest) Priority Date ( <i>day/month/year</i> ) 17 March 2000 (17.03.2000)
Applicant SIEMENS AKTIENGESELLSCHAFT		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the Report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 1



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures

**Box III TEXT OF THE ABSTRACT** (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

**NEW ABSTRACT**

An overall plan for providing maintenance and technical services for businesses and plants includes generic procedures for the services written as a manual of standard practices (10). A knowledge base or experience database (12) of data and people is utilized. Both hardware and software tools (14) are selected and used in providing services.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/08328

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 17/60

US CL : 705/27

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/27, 26, 28, 29, 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
DIALOG, EAST, WEST**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,216,592 A (MANN et al.) 01 June 1993 (01.06.93), see entire document.	1-133
X	US 5,233,513 A (DOYLE) 03 August 1993 (03.08.1993), see entire document.	1-133
X	US 6,006,195 A (MARCHAK et al.) 21 December 1999 (21.12.1999), see entire document.	1-133
Y, P	US 6,061,506 A (WOLLASTON et al.) 09 May 2000 (09.05.2000), see entire document.	1-133
Y,P	US 6,141,647 A (MEIJER et al.) 31 October 2000 (31.10.2000), see entire document.	1-133
Y,P	US 6,157,915 A (BHASKARAN et al.) 05 December 2000 (05.12.2000), see entire document.	1-133
Y,P	ANONYMOUS Direct Marketing Software Guide 1990. Direct Marketing, v53, n2, p29, see entire document.	1-133

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

30 July 2001 (30.07.2001)

Date of mailing of the international search report

20 AUG 2001

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Vincent Millin

Telephone No. (703) 305-3900

*James R. Matthews*

# PATENT COOPERATION TREATY

*JAM*

## FILE COPY

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO, ILLINOIS 60606

## PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference P00,1824	Date of Mailing (day/month/year)  FOR FURTHER ACTION    See paragraphs 1 and 4 below
International application No. PCT/US01/08328	International filing date (day/month/year) 15 March 2001 (15.03.2001)
Applicant SIEMENS AKTIENGESELLSCHAFT	

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.  
 Filing of amendments and statement under Article 19:  
 The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):  
  
 When?    The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompany sheet.  
  
 Where?    Directly to the International Bureau of WIPO  
             34, chemin des Colombettes  
             1211 Geneva 20, Switzerland  
             Facsimile No.: (41-22) 740.14.35  
  
 For more detailed instructions, see the notes on the accompanying sheet.
2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:
  - ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
  - ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4. Further action(s):    The applicant is reminded of the following:  
  
 Shortly after 18 months from the priority date, the international application will be published by the International Bureau.  
 If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.  
  
 Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).  
  
 Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer <i>Vincent Millin</i> Vincent Millin  Telephone No. (703) 305-3900
--	---

Form PCT/ISA/220 (July 1998)

# PATENT COOPERATION TREATY

From the RECEIVING OFFICE

## PCT

To:

MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO IL 60606

### NOTIFICATION CONCERNING PAYMENT OF PRESCRIBED FEES

(PCT Rules 14, 15 and 16 and Administrative  
Instructions, Sections 304(a) and (b) and 323(b))

Date of mailing  
(day/month/year)

18 APR 2001

Applicant's or agent's file reference  
P00,1824

**PAYMENT DUE**

See item 3 for time limits

International application No.

PCT/US01/08328

International filing date/Date of receipt  
(day/month/year)

15 MAR 01

Priority date (day/month/year)

17 MAR 00

Applicant

SIEMENS AKTIENGESELLSCHAFT

1. The applicant is hereby notified that this receiving Office has received:

☒ the payment of all the prescribed fees, and ☐ an overpayment, which will be refunded in due course.

☐ no or insufficient payment of the prescribed fees and the applicant is hereby invited to pay the balance due, as summarized under item 2, within the time limit(s) indicated under item 3.

2. Fees and payment calculation:

Total fees payable	Amount paid	= Balance
--------------------	-------------	-----------

☐ The details of the calculation are given in the Annex.

3. Time limit(s) for payment and amount(s) payable (Rules 14.1, 15.4 and 16.1(f)):

☐ within ONE MONTH from the date of receipt of the international application (for the transmittal fee (if any), the search fee, the basic fee and the designation fee). The amount payable for each fee is the amount applicable on the date of receipt of the international application.

☐ within ONE YEAR from the priority date (only for the designation fee and only if this time limit expires later than the above time limit).

---If the designation fee is paid within one month from the date of receipt of the international application, the amount payable is the amount applicable on that date of receipt.

---If the designation fee is paid within one year from the priority date but later than one month from the date of receipt of the international application, the amount payable is the amount applicable on the date of payment. The receiving Office should be consulted for the applicable amount.

☐ within 16 MONTHS from the priority date (only for the fee for priority document). The applicant's attention is drawn to the fact that the request made by the applicant under Rule 17.1(b) will be considered not to have been made unless the fee is paid within that time limit.

4. Additional observations (if necessary):

☐ The search copy will not be transmitted to the International Searching Authority until the search fee is paid (therefore the start of the international search will be delayed)(Rule 23.1(a) and (b)).

Name and mailing address of the receiving Office

Assistant Commissioner for Patents  
Box PCT  
Washington, D.C. 20231  
Facsimile No.

Attn: RO/US

Authorized officer

Darlene Proctor *DP*

PCT Operations - IAPD Team 1

Telephone No. (703) 305-3689 (703) 305-3220 FAX

# PATENT COOPERATION TREATY

From the RECEIVING OFFICE

## PCT

To:

MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO IL 60606

NOTIFICATION OF THE INTERNATIONAL  
APPLICATION NUMBER AND OF THE  
INTERNATIONAL FILING DATE

(PCT Rule 20.5(c))

Date of mailing  
(day/month/year)

18 APR 2001

Applicant's or agent's file reference

P00.1824

**IMPORTANT NOTIFICATION**

International application No.

PCT/US01/08328

International filing date (day/month/year)

15 MAR 01

Priority date (day/month/year)

17 MAR 00

Applicant

SIEMENS AKTIENGESELLSCHAFT

Title of the invention

MENU DRIVEN MANAGEMENT AND OPERATION TECHNIQUE

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.

2. The applicant is further notified that the record copy of the international application:

18 APR 2001



was transmitted to the International Bureau on \_\_\_\_\_



has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau\*\*



because the necessary national security clearance has not yet been obtained.



because (reason to be specified):

\* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

3. FOREIGN TRANSMITTAL LICENSE INFORMATION

Completed by: \_\_\_\_\_



Additional license for foreign transmittal not required. This subject matter is covered by a license already granted on the equivalent U.S. national application. Refer to that license for information concerning its scope.



License for foreign transmittal not required. 37 CFR 5.11(e)(1) or 37 CFR 5.11(e)(2). However, a license may be required for additional subject matter. See 37 CFR 5.15(b).



Foreign transmittal license granted. 35 U.S.C. 184; 37 CFR 5.11 on \_\_\_\_\_

(date)



37 CFR 5.15(a)



37 CFR 5.15(b)

Name and mailing address of the receiving Office

Assistant Commissioner for Patents  
Box PCT  
Washington, D.C. 20231

Attn: RO/US

Facsimile No.

Authorized officer

Darlene Proctor

PCT Operations - IAPD Team 1

(703) 305-3689 (703) 305-3220 FAX

Telephone No.

# PATENT COOPERATION TREATY

From the RECEIVING OFFICE

## PCT

To:  
MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO, IL 60606

### INVITATION TO CORRECT DEFECTS IN THE INTERNATIONAL APPLICATION

(PCT Articles 3(4)(i) and 14(1) and Rule 26)

Applicant's or agent's file reference <p style="text-align: center;">P00,1824</p>	Date of mailing <i>(day/month/year)</i> <p style="text-align: right;">18 APR 01</p>
International application No. <p style="text-align: center;">PCT/US01/08328</p>	REPLY DUE within <u>1</u> months / <del>days</del> from the above date of mailing
Applicant SIEMENS AKTIENGESELLSCHAFT	International filing date <i>(day/month/year)</i> <p style="text-align: right;">15 MAR 01</p>

1. The applicant is hereby invited, within the time limit indicated above, to correct the defects in the international application as filed, the defects specified on the attached

- ☒ Annex A
- ☐ Annex B1 (*text matter of the international application as filed*)
- ☒ Annex C1 (*drawings of the international application as filed*)

2. The applicant is hereby invited, within the time limit indicated above, to correct the defects in the translation of the international application furnished under Rule 12.3, the defects specified on the attached

- ☐ Annex A
- ☐ Annex B2 (*text matter of the translation of the international application*)
- ☐ Annex C2 (*drawings of the translation of the international application*)

Additional observations (if necessary):

#### HOW TO CORRECT THE DEFECTS?

Correction must be submitted by filing a replacement sheet embodying the correction and a letter accompanying the replacement sheet, which shall draw attention to the difference between the replaced sheet and the replacement sheet. A correction may be stated in a letter only if it is of such a nature that it can be transferred from the letter to the record copy without adversely affecting the clarity and direct reproducibility of the sheet onto which the correction is to be transferred (Rule 26.4(a)).

#### ATTENTION

Failure to correct the defects will result in the international application being considered withdrawn by this receiving Office (see Rule 26.5 for further details).

A copy of this invitation and any attachments has been sent to the International Bureau  
☒ and the International Searching Authority.

Name and mailing address of the receiving Office Assistant Commissioner for Patent Box PCT Washington, D.C. 20231 Attn: RO/US Facsimile No. 703-305-3230	Authorized officer Darlene Proctor <i>DP</i> Telephone No. 703-305-3689
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The receiving Office has found the following defects in the international application as filed:

1. As to **signature\*** of the international application (Rules 4.15 and 90.4), the request:
- a. ☐ is not signed.
  - b. ☐ is not signed by all applicants.
  - c. ☐ is not accompanied by the statement referred to in the check list in Box No. VIII of the request explaining the lack of the signature of an applicant for the designation of the United States of America.
  - d. ☒ is signed by what appears to be an agent/common representative but
    - ☒ the international application is not accompanied by a power of attorney appointing him.
    - ☐ the power of attorney accompanying the international application was not signed by all the applicants.
  - e. ☐ other (*specify*):

\* All applicants must sign, including inventors if they are also applicants (e.g. where the United States of America is designated).

2. As to indications concerning the **applicant**, the request (Rules 4.4 and 4.5):

- a. ☐ does not properly indicate the applicant's name (*specify*):
- b. ☐ does not indicate the applicant's address.
- c. ☐ does not properly indicate the applicant's address (*specify*):
- d. ☐ does not indicate the applicant's nationality.
- e. ☐ does not indicate the applicant's residence.
- f. ☐ other (*specify*):

3. As to the **language** of certain elements of the international application, other than the description and claims ( Rules 12.1(c) and 26.3ter(a) and (c)):

- a. ☐ the **request** is not in a language which is both a language accepted by this receiving Office and a language of publication, which is (are):
- b. ☐ the **text matter of the drawings** is not in the language in which the international application is to be published, which is:
- c. ☐ the **abstract** is not in the language in which the international application is to be published, which is:

4. The **title** of the invention:

- a. ☐ is not indicated in Box No. I of the request (Rule 4.1(a)).
- b. ☐ is not indicated at the top of the first sheet of the description (Rule 5.1(a)).
- c. ☐ as appearing in Box No. I of the request is not identical with the title heading the description (Rule 5.1(a)).

5. As to the **abstract** (Rule 8):

- ☐ the international application does not contain an abstract.



## ANNEX C1 TO FORM PCT/RO/106

PCT/US

01

08328

The receiving Office has found that, with regard to the presentation of the drawings of the international application as filed, the physical requirements are not complied with to the extent that compliance therewith is necessary for:

1. ☒ reasonably uniform international publication (Rules 11 and 26.3(a)(i)) (defects to be specified):

Sheets containing drawings:

- a. ☐ the sheets do not admit of direct reproduction.
- b. ☐ the sheets are not free from creases, cracks, folds.
- c. ☐ one side of the sheets is not left unused.
- d. ☐ the paper of the sheets is not flexible/strong/white/smooth/non-shiny/durable.
- e. ☐ the drawings do not commence on a new sheet.
- f. ☐ the sheets are not connected as prescribed (Rule 11.4(b)).
- g. ☐ the sheets are not A4 size (29.7cm x 21cm).
- h. ☐ the minimum margins on the sheets are not as prescribed Fig. (top: 2.5cm; left side: 2.5cm; right side: 1.5cm; bottom: 1cm).
- i. ☐ the file reference number indicated on the sheets does not appear in the left-hand corner of the sheets, within 1.5cm of the top of the sheets.
- j. ☐ the file reference number exceeds the maximum of 12 characters.
- k. ☐ the sheets are not free from frames around usable or used surfaces.
- l. ☒ the sheets are not numbered in consecutive Arabic numerals (e.g. 1/3, 2/3, 3/3).
- m. ☐ the sheet numbers are not centered at the top or bottom of the sheets.
- n. ☐ the sheet numbers are in the margin (see h. above for the size of the margins).
- o. ☐ the sheets contain alterations/overwritings/interlineations/too many erasures.
- p. ☒ the sheets contain photocopy marks.

Drawings (Rule 11.13):

- a. ☐ do not admit of direct reproduction.
- b. ☐ contain unnecessary text matter.
- c. ☐ contain words so placed as to prevent translation without interference with lines thereof.
- d. ☒ are not executed in durable black color; the lines are not uniformly thick and well-defined. Fig. 7, 16, 17, 19, 20, 22
- e. ☐ contain cross-sections not properly hatched.
- f. ☐ would not be properly distinguishable in reduced reproduction.
- g. ☐ contain scales not represented graphically.
- h. ☒ contain numbers, letters and reference lines lacking simplicity and clarity. Fig. 7, 16, 17, 19, 20 & 22
- i. ☐ contain lines drafted without the aid of drafting instruments.
- j. ☐ contain disproportionate elements of a figure not necessary for clarity.
- k. ☐ contain numbers and letters of height less than 0.32 cm.
- l. ☐ contain letters not conforming to the Latin, and where customary, Greek alphabets.
- m. ☐ contain figures on two or more sheets which form a single complete figure but which are not able to be assembled without concealing parts thereof.
- n. ☐ contain figures which are not properly arranged and clearly separated.
- o. ☐ contain different figures not numbered in consecutive Arabic numerals.
- p. ☐ contain different figures not numbered independent of the numbering of the sheets.
- q. ☐ are not restricted to reference signs mentioned in the description.
- r. ☐ do not contain reference signs that are mentioned in the description.
- s. ☐ contain the same feature denoted by different reference signs.
- t. ☐ are not arranged in an upright position, clearly separated from one another.
- u. ☐ are not presented sideways with the top of the figures at the left side of the sheets.

2. ☐ satisfactory reproduction (Rules 11 and 26.3(b)(i)).

Further observations (if necessary):

Shading or solid black obj. Fig.

New drawings are required

# PATENT COOPERATION TREATY

From the RECEIVING OFFICE

## PCT

### NOTIFICATION REGARDING CERTAIN CORRECTIONS MADE *EX OFFICIO*

(PCT Administrative Instructions, Section 327)

To:

MELVIN A. ROBINSON  
PATENT DEPARTMENT  
SCHIFF HARDIN & WAITE  
6600 SEARS TOWER  
CHICAGO IL 60606

Date of mailing (day/month/year)	<b>18 APR 2001</b>
Applicant's or agent's file reference P00.1824	<b>REPLY DUE</b> <span style="float: right;">NONE</span> <span style="float: right;">However, see paragraph 3 below</span>
International application No. PCT/US01/08328	International filing date (day/month/year) <span style="float: right;">15 MAR 01</span>
Applicant SIEMENS AKTIENGESELLSCHAFT	

1. The applicant is hereby notified that this receiving Office has corrected formal defects in the international application *ex officio*, as shown on the attached copy of:

- ☒ the request, sheet No.: 1-5
- ☐ the description, sheet No.: \_\_\_\_\_
- ☐ the claims, sheet No.: \_\_\_\_\_
- ☐ the drawings, sheet No.: \_\_\_\_\_
- ☐ other (specify): \_\_\_\_\_

2. If the applicant agrees with these corrections, no further action is required in this regard.

3. In case of disagreement with these corrections, the applicant should promptly inform this receiving Office accordingly.

Name and mailing address of the receiving Office Assistant Commissioner for Patents Box PCT Washington, D.C. 20231 Facsimile No.	Authorized officer <i>DP</i> <b>Darlene Proctor</b> PCT Operations - IAPD Team 1 Telephone No. (703) 305-3689 (703) 335-3220 FAX:
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